

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/GB 02/05938

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04R23/00 H04R1/46 H04R1/44 G10H3/18 G01H9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R G10H G01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6 285 806 B1 (DANDRIDGE ANTHONY ET AL) 4 September 2001 (2001-09-04) | 1,2,4-28 |
| Y | column 1, line 6 - line 18 column 3, line 28 - column 5, line 47 figures 2,3 | 3 |
| Y | US 5 367 376 A (LAGAKOS NICHOLAS ET AL) 22 November 1994 (1994-11-22) column 3, line 15 - line 31 column 7, line 3 - line 18 | 3 |
| X | US 4 235 113 A (CAROME EDWARD F) 25 November 1980 (1980-11-25) column 1, line 53 - column 3, line 27 | 1,5-13, 16-28 |
| | --- -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

17 April 2003

Date of mailing of the international search report

29/04/2003

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|--|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | <p>US 5 363 342 A (LAYTON MICHAEL R ET AL) 8 November 1994 (1994-11-08)</p> <p>column 1, line 44 -column 2, line 5 -----</p> | <p>1,4,10, 11,13, 15,23-28</p> |

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: al Application No

PCT/GB 02/05938

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 6285806 | B1 | 04-09-2001 | NONE |
| US 5367376 | A | 22-11-1994 | NONE |
| US 4235113 | A | 25-11-1980 | NONE |
| US 5363342 | A | 08-11-1994 | NONE |